## COUNTY OF MOORE NORTH CAROLINA INFORMAL BID

ISSUE DATE: March 14, 2023 INFORMAL BID: 2023-03

**TITLE: Chiller Project** 

ISSUING DEPARTMENT: COUNTY OF MOORE

Financial Services 206 S. Ray Street Carthage, NC, 28327

Sealed Bids will be received until 4:00 PM Thursday, March 30, 2023 from qualified firms for Chiller Project for the County of Moore Property Management Department. A Mandatory Prebid will be held at 2:00 pm Tuesday, March 21, 2023 beginning at 206 South Ray Street Carthage, NC 28327.

For your convenience, a Bid Drop-Off Box is located in the lobby at 206 South Ray Street.

All inquiries for information concerning the Bid shall be directed to:

Terra Vuncannon, Purchasing Manager 206 South Ray Street Carthage, NC 28327 (910) 947-7118

tvuncannon@moorecountync.gov

**Sealed Bids** shall be provided to Terra Vuncannon; it is the sole responsibility of the vendor to ensure that its bid reaches the Financial Services by the designated date and hour indicated above.

Firm Na	me:
Address	:
By:	
•	(Printed)
By:	
•	(Signature)

## TABLE OF CONTENTS

INSTRUCTIONS TO BIDDERS	Page 3
BACKGROUND AND SCOPE OF WORK	Page 7
BID FORM	Page 14
NON-COLLUSION AFFIDAVIT	Page 15
E-VERIFY AFFIDAVIT	Page 16
W-9 FORM	Page 17

### **INSTRUCTIONS TO BIDDERS**

- 1. **Sealed Bid shall be submitted to the Issuing Department and include the enclosed Bid Form.** In order for a bid to be considered, it shall be based on the terms, conditions and specifications contained herein and shall be a complete response to this Informal Bid. The County reserves the right to make an award in whole, or in part, and to reject any and/or all bids, and to waive any informality in proposals unless otherwise specified by the Proposer. The Proposer shall sign the bid correctly and bids may be rejected if they show omissions, alterations of form, additions not called for, conditional proposals or any irregularities of any kind.
- 2. All labor costs, direct and indirect, shall have been determined and included in the proposal. The cost and availability of all equipment, materials, and supplies associated with performing the services described herein shall have been determined and included in the proposal. Do not include sales tax in proposal figures. The County pays sales tax and will add this to your proposal figures separately when invoices are paid. All price quotes shall include delivery to the delivery point, installation, and set-up charges, as necessary. Goods shall be set in place ready for owner's use. All goods shall be new and of average quality. No remanufactured, refurbished or used goods will be accepted. Appropriate product information (e.g. brochures, catalog cuts, etc.) shall be included with the proposal.
- 3. After the Informal Bid issue date, all communications between the Issuing Department and prospective Proposers shall be in writing. No oral questions shall be accepted. Any inquiries, requests for interpretation, technical questions, clarifications, or additional information shall be directed to Terra Vuncannon at the address listed on page one if this solicitation or via e-mail to <a href="mailto:tvuncannon@moorecountync.gov">tvuncannon@moorecountync.gov</a>. All questions concerning this Informal Bid shall reference the section and page number. Questions and responses affecting the scope of goods will be provided to all prospective Bidder by issuance of an Addendum. A Mandatory Pre-bid will be held at 2:00 pm EST Tuesday, March 21, 2023 beginning at 206 South Ray Street, Carthage, NC 28327. All written questions shall be received by the Issuing Department no later than 10:00 am Thursday, March 23, 2023. Please include "Informal Bid 2023-03" in the subject header of e-mail. NO EXCEPTIONS. All addendums pertaining to this Informal Bid will be posted to the County website at <a href="www.moorecountync.gov">www.moorecountync.gov</a> within 24 48 business hours after the deadline for questions. It is the bidder's responsibility to check the website for the addendums.
- 4. The County will not be responsible for any oral instructions. Should a Proposer find discrepancies in, or omissions from the documents, or should be in doubt as to their meaning, s/he should at once notify the Issuing Department in writing, and a written addendum shall be issued. Acknowledgement of any Addendum received during the time of the proposal shall be noted on the Bid Form in the spaces provided. In closing of a contract, any Addendum issued shall become a part thereof. It is the Proposer's responsibility to assure that all addenda have been reviewed and, if need be, signed and returned.

- 5. Proposals will be examined promptly after opening and award will be made at the earliest possible date. The prices quoted must be held firm, and no proposals may be withdrawn until **90 days** after proposal opening date. The County reserves the right to conduct any test/inspection it may deem advisable to ensure services/materials/supplies/equipment, as appropriate, conform to specifications.
- 6. Pursuant to North Carolina General Statutes Section 143-131, "award shall be made to the lowest responsible, responsive bid or bidders, taking into consideration quality, performance and the time specified in the proposals for the performance of the contract."
- 7. The materials/supplies/equipment furnished under any resulting contract shall be covered by the manufacturer's most favorable commercial warranty. Each Proposer shall plainly set forth the warranty for the goods in the proposal. Operations and maintenance manuals for equipment shall also be provided, as appropriate.
- 8. All purchases for goods or services are subject to the availability of funds for this particular purpose.
- 9. The General Statutes of the State of North Carolina, insofar as they apply to purchasing and competitive bidding, are made a part hereof.
- 10. The County of Moore is committed to creating and maintaining an environment free from harassment and other forms of misconduct that fundamentally compromise the working environment of the County. All contractors performing work/services at a County facility shall take all necessary steps to assure that none of its employees engage in harassment or intimidation relating to personal beliefs or characteristics of anyone on the County's premises, including but not limited to, race, religion, age, color, sex, national origin, or disability. Such harassment is unacceptable and will not be condoned in any form at the County of Moore. If such conduct occurs, the contractor will take all necessary steps to stop it and prevent its future occurrence. This policy shall be strictly enforced.
- 11. For all the work being performed under this Contract, the County of Moore has the right to inspect, examine, and make copies of any and all books, accounts, records, and other writing relating to the performance of the work. Audits shall take place at times and locations mutually agreed upon by both parties, although the vendor/contractor must make the materials to be audited available within one (1) week of the request for them.
- 12. The Proposer agrees that it will not identify the County of Moore as a client in any other proposal, resume, or informational brochure without first requesting and obtaining, in writing, the permission of the County of Moore Board of Commissioners.
- 13. All Proposers must complete and submit the Vendor Form with their proposal package. This information will be used to create or update the County's vendor file.
- 14. Proposers are cautioned that this is an informal bid, not a request for contract, and the County of Moore reserves the right to reject any and/or all proposals. It further reserves

- the right to waive informalities insofar as it is authorized so to do where it deems it advisable in protection of the best interests of the County.
- 15. Proposals will be tabulated, evaluated and a recommendation presented to the County of Moore Board of Commissioners for their approval.
- 16. Any and all exceptions to the Specifications must be stated in writing, giving complete details of what is to be furnished in lieu of requested Specifications.
- 17. The County of Moore reserves the right to cancel and terminate any resulting contract, in whole or in part, without penalty, upon forty-five (45) days' notice to the Vendor(s). Any contract cancellation shall not relieve the Vendor(s) of the obligation to deliver any outstanding services issued prior to the effective date of the cancellation.
- 18. Proposals in one (1) original and one (1) copy will be received from each Proposer in a sealed envelope or package. Each original shall be signed and dated by an official authorized to bind the form. Unsigned proposals will not be considered.
- 19. Upon receipt by Moore County Financial Services, your Proposal is considered a public record except for material which qualifies as "trade secret" information under N.C. Gen. Stat. 66-152 et. seq. After the Proposal opening, your Proposal may be reviewed by the County's evaluation committee, as well as other County staff and members of the general public who submit public records requests. To properly designate material as trade secret under these circumstances, each Proposer must take the following precautions: (a) any trade secrets submitted by a Proposer must be submitted in a separate, sealed envelope marked "Trade Secret Confidential and Proprietary Information Do Not Disclose Except for the Purpose of Evaluating this Proposal," and (b) the same trade secret/confidentiality designation must be stamped on each page of the trade secret materials contained in the envelope.

In submitting a Proposal, each Proposer agrees that the County may reveal any trade secret materials contained in such response to all County staff and County officials involved in the selection process, and to any outside consultant or other third parties who serve on the evaluation committee or who are hired by the County to assist in the selection process. Furthermore, each Proposer agrees to indemnify and hold harmless the County and each of its officers, employees, and agents from all costs, damages, and expenses incurred in connection with refusing to disclose any material which the Proposer has designated as a trade secret. Any Proposer that designates its entire Proposal as a trade secret may be disqualified.

20. Proposer shall comply with the North Carolina Workers' Compensation Act and shall provide for the payment of workers' compensation to its employees in the manner and to the extent required by such Act. In addition, the Provider shall maintain, at its expense, the following minimum insurance coverage:

General Liability - \$2,000,000 Auto Liability - \$2,000,000 Umbrella Coverage - \$5,000,000

- 21. Contractor must have an active North Carolina License covering the scope of work for this project.
- 22. Firm must be registered with the NC Secretary of State.
- 23. The County may request references for similar projects.

### **BACKGROUND and SCOPE OF WORK**

## **Project Description**

The intent of this project is to replace the existing air-cooled chiller at the Moore County Court Facility with a chiller of similar type and performance. The current chiller was manufactured by Airstack. It is a three module multi-stack chiller, model number: ASP30A. The existing chiller was designed with 88.2 tons of capacity, 211 GPM ,54 EWT/ 44 LWT with a 6.3 foot of head drop across the evaporator. The basis of design for the replacement is a new chiller by Airstack with 3 modules to match the existing footprint and performance as closely as possible. The basis of design for the replacement chiller has a performance of 211 GPM, 53.3/44 with a 9.07 foot of head drop across the evaporator. The proposed chiller shall have a 1.18k kW/ton (95 DB ambient temp) efficiency at full load and a 0.8162 kW/ton efficiency at 50% (65 DB ambient temp) capacity. The existing electrical feeder is 460V/3 phase with a 225-amp overcurrent device. New chiller shall have a 120V 20-amp circuit for freeze protection. Contractor shall verify the Freeze Protection circuit is on existing chiller and provide a new circuit as necessary. Approved equals are by Smardt and MotiveAir. Chiller features:

- o Multiple, independent refrigeration systems
- o Chiller Waterside Maximum Working Pressure is 150 PSIG
- o Stainless Steel Evaporator
- Lead Compressor Sequencing (24hrs)
- o Automatic Internal Rescheduling If Fault Occurs
- Automatic Logging of Any Fault Condition
- o Electronic Chilled Water Control
- Quick Interconnect Modular Design
- Designed For Quiet Operation(Alternate #4)
- o Filters In Evaporator Supply Headers (Alternate #3)
- Stainless Steel Inlet Header
- o R-410A Refrigerant & POE Oil
- 5kA SCCR
- o Static Option .00" ESP (2 HP) STANDARD
- o Electrical Connection Type Junction Box
- Warranty: Compressor (5 Year)
- Warranty: All Parts (1 Year)
- Warranty: Labor Only (1 Year)
- o Warranty: Refrigerant (1 Year)
- o FRM Chiller (includes PPM & FS per module)
- o 3/4" Closed Cell Foam Insulation
- o Heat Tracing (requires separate 120V 20-amp electrical circuit)
- o Al/Cu Condenser Coils
- o Main Power Door Interlock Disconnect Switch
- Independent Refrigerant Circuits
- o Single Point Power Connection
- VFD's on Condenser Fans
- Brazed Plate Evaporator
- o 2 Condenser Fans per module

 External Master Controller Box Evap Flow Switch-Thermal Dispersion Type (24 Volt Factory Powered & Installed on Each Module)

Contractor shall be responsible for making a site visit and verifying all proposed equipment will fit. Any modifications necessary to the electrical service, equipment pad, piping, controls, etc. shall be the responsibility of the contractor and shall be performed as part of this proposal. No additional monies will be approved to accommodate these changes or issues that arise from contractor's not thoroughly investigating the current site conditions and work necessary with accommodating the installation of the new chiller.

#### Alternates:

- #1) Contractor shall also provide an alternate to install a bypass line once chiller is disconnected so that a full system cleaning and flush can be performed on existing piping. See Airstack recommended cleaning procedure for details on the cleaning scope. #2) Provide new chiller with a BacNET communication option. Owner will handle integration of points with JCI upon completion.
- #3) Each module's chilled water supply main shall have a filter cartridge. This filter cartridge shall be constructed of stainless steel with a perforated support tube and 30 mesh screen all Teflon<sup>™</sup> coated for easy cleaning. Multiple module applications interconnect strainers with stainless steel carabiners to allow for easy 1-step removal. #4)

Octave Band Center Freq. (Hz)	Sound Pressure Level, dBA					
	3 modules @ 1 Feet					
63	67.8					
125	84.8					
250	87.8					
500	92.8					
1000	97.1					
2000	93.8					
4000	91.1					
8000	87.3					
Total	100.8					

## Scope of Work

- Disconnect, remove and properly dispose of existing chiller.
  - o Recover and properly dispose of all refrigerants as required by law.
- Install new Chiller
- Reconnect existing piping, power, and controls. Reconnect, modify any existing heat trace as necessary to return the piping freeze protection to its original level of protection. Test any reused heat trace and report to owner with confirmation of proper operation.
  - o Contractor to provide a temperature well at the supply and return connection
  - o Contractor shall provide a P/T port at the supply and return connection. P/T port similar to Peterson Equipment's Pete's Plug

- o Existing chiller is controlled by Johnson Controls (JCI) Metasys system. Points are hard wired. Contractor shall disconnect existing wiring and reconnect it to the proper points on the new chiller and tested for proper operation.
- Provide a full one 1 year warranty on all work in addition to a 5 year parts warranty on all compressors.
- Attached are specifications for the current Airstack chiller along with recommended pipe cleaning procedure.



1	Chiller Quantity	Chiller Description	Model Number
1	3	Air Cooled Scroll	ASP030X

The following items are included by Multistack:

#### Codes and Standards

The equipment shall comply with the following codes:

- ARI 550/590
- ANSI/ASHRAE 15
- . UL 1995 Standard for Safety Heating & Cooling Equipment
- OSHA
- CSA C22.2 No. 236

#### Warranty

5 Year Warranty: Compressor
 1 Year Warranty: Labor Only
 1 Year Warranty: All Parts
 1 Year Warranty: Refrigerant

### StartUp

Factory authorized startup and training will be provided

#### General

- Chiller is designed to operate using R-410A Refrigerant.
- Chiller is designed for parallel evaporator water flow.
- The chilled water must meet Multistack's Water Treatment Guidelines.
- Chiller is designed to operate using 460 volt, 3 phase, 60 Hz electrical power supply.
- Chiller incorporates Scroll compressors and consists of multiple 15 ton refrigerant circuit(s).
- Each module consists of two completely separate and independent refrigeration circuit(s).
- Each circuit is equipped with its own suction and discharge pressure transducer. Values are displayed on the modules slave controller as well as the master chiller controller.
- Each circuit is constructed to be independent of other circuits from a refrigeration and electrical standpoint.
- The multi-circuit chiller will produce chilled water even in the event of a failure of one or more refrigerant circuits.



### Chilled Water Mains

- Each module includes internal 304 stainless steel schedule 40 supply and black steel schedule 40 return mains for chilled water.
- Grooved (cut not rolled) end connections are provided for interconnection to adjoining modules with standard groove-type couplings. The complete chiller is designed for waterside working pressures up to 150 psig.
- Each module's evaporator is supplied from the water mains with a takeoff pipe and are connected with groove-type couplings.
- Evaporator, suction lines, and all internal chilled water piping shall be fully insulated with closed cell insulation.
- Each module's chilled water supply main shall have a filter cartridge. This filter cartridge shall be
  constructed of stainless steel with a perforated support tube and 30 mesh screen all Teflon™ coated for
  easy deaning. Multiple module applications interconnect strainers with stainless steel carabiners to
  allow for easy 1-step removal.

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## **III** MULTISTACK



#### Compressors

- Each 30 ton module contains two 15 ton compressors which are resiliently mounted to the module with rubber-in-shear isolation.
- Suction gas cooled compressor motor shall have a utilization range of ± 10% from nameplate voltage and are equipped with internal thermostats for direct protection against overheating and external overcurrent and single phasing protection.
- Each system includes high discharge pressure and low suction pressure cutouts.



#### **Heat Exchangers**

- Each module contains a single water circuit, dual refrigerant circuit brazed plate evaporator heat exchanger.
- Evaporator constructed of 316 stainless steel; designed, tested, and stamped in accordance with UL 1995 code for 650 psig working pressure.
- Water Side Connections featuring groove type mechanical connections.
- Evaporator insulated with 3/4" Closed Cell Foam Insulation.



#### Condenser Coil

· Air cooled chillers shall have finned-tube condensers with copper tubes and aluminum fins.



#### Condenser Fan

- Each module contains 2 condenser fans.
- Blades will be paired with a 2 HP motor with a variable frequency drive
- Fans: Propeller type, statically and dynamically balanced, with vertical air discharge for high efficiency and low sound; and equipped with heavy-gage, weather-protected fan guard. Fans shall be FRP (fiberglass reinforced plastic) type with corrosion treated hub suitable for use in a marine environment.



#### Refrigerant Components

- Each independent refrigerant circuit shall contain the following components designed for R-410A Refrigerant:
  - Electronic Expansion Valve
  - Suction and Discharge pressure transducers
  - High Pressure safety cutout switch

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#### Electrical

- The modular chiller shall have a single point of power connection with door interlock disconnect switch(s) and use pre-engineered factory supplied wire whips to distribute three—phase electrical power to each module.
- Phase failure and phase reversal monitor is furnished at each module and wired to each modules slave controller
- Chiller shall be provided with a single point of power connection at 5kA SCCR.
- This will include pre-engineered wiring for field installation and connection to a factory mounted chiller junction box.
- Each junction box shall include branch circuit protection for each module and provide a single point of connection to the building power.
- Each module is able to be electrically isolated from the other module(s) to allow service to each module while all other modules are in operation.

#### Control System

- Each chiller array is furnished with a Master Controller as an integral portion of the chiller control
  circuitry for control of chiller operation. Under normal operation the Master Controller shall
  communicate with each module's slave controller for compressor staging.
- Normal Chiller operation shall include:
  - When the chiller is enabled, the factory supplied Master Controller shall modulate the chiller capacity from minimum to maximum as required by building load.
  - The chiller control system will control to entering water temperature.
- Each chiller module will include a slave controller capable of operating its own module in the event the
  Master Controller is unavailable. In addition this chiller is equipped with the FRM controls package for
  maximum inherent redundancy. This FRM controls package eliminates single points of failure by
  allowing the module's slave controllers to automatically switch to override mode whenever there is a
  loss of a single control device.
- Chiller safety controls system will be provided with the unit as follows:
  - Low evaporator refrigerant pressure
  - Loss of flow through the evaporator
     High condenser refrigerant pressure
  - High compressor motor temperature
  - Low suction gas temperature
  - Low suction gas temperature
     Low leaving evaporator water temperature
- The control panel will provide alphanumeric display showing all system parameters in the English language with numeric data in English units.

#### **Factory Quality Assurance Testing**

Manufacturer shall have an AHRI 550 certified test loop and quality control test stand with all
instrumentation calibrated and traceable to the National Institute of Standards. The unit shall undergo a
15-point design review and 60-point quality control review.

#### Chiller Mounting

 Customer must provide a level mounting surface. Multistack recommends the use of tubular steel to achieve this.(See Multistack for details).

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#### Piping System Flushing Procedure

- Prior to connecting the chillre to the chilled water loop, or using bypass piping, the piping loops shall be flushed with a detergent and hot water (110 130 °F) mixture to remove previously accumulated dirt and other organic residue. After removal of organic residue, flushing shall continue with a dilute phosphoric acid, sulfamic acid or citric acid and water mixture to remove inorganic scale in the pipe. (Note: Cleaning chemicals such as Newcalgon Liquid Scale Remover 798TM or equivalent suitable for both organic residue and scale removal may be substituted. Otherwise detergents and acids shall not be combined unless approved by the chemical manufacturers.) Only chemicals compatible with 316 stainless steel, copper and carbon steel shall be used with the proper dilution. (Any concentrations of hydrochloric or sulfuric acid or chloride containing chemicals shall not be allowed to come in contact with copper brazed 316 stainless steel heat exchangers). Flushing through the chiller is prohibited.
- During the flushing 30 mesh (max.) Y-strainers (or acceptable equivalent) shall be in place in the system piping and examined periodically as necessary to remove collected residue. The flushing process shall take no less than 6 hours or until the strainers when examined after each flushing are clean. Old systems with heavy encrustation shall be flushed for a minimum of 24 hours and may take as long as 48 hours before the filters run clean. Detergent and acid concentrations shall be used in strict accordance with the respective chemical manufacturers' instructions. After flushing with the detergent and/or dilute acid concentrations the system loop shall be purged with clean water for at least one hour to ensure that all residual cleaning chemicals have been flushed out.
- Prior to supplying water to the chiller the Water Treatment Specification shall be consulted for requirements regarding the water quality during chiller operation.

#### Water Treatment

Supply water for the chilled water circuit shall be analyzed and treated by a professional water treatment specialist who is familiar with the operating conditions and materials of construction specified for the chiller's heat exchangers, headers and associated piping. Cycles of concentration shall be controlled such that re-circulated water quality for modular chillers using 316 stainless steel and copper brazed plate heat exchangers and carbon steel headers is maintained within the following parameters:

## Guidelines for Water Containning Corrosion Inhibitors a. PH Greater than 7 and less than 9

- b. Total Dissolved Solids (TDS) Less than 1000 ppm
- c. Hardness as CaCO3 30 to 500 ppm
- d. Alkalinity as Ca CO3 30 to 500 ppm
- Chlorides Less than 200 ppm
- f. Sulfates Less than 200 ppm

## **BID FORM**

This Bid consist of all equipment, labor, materials, and traffic control for the **Chiller Project.**Use this format for submitting Bids. No alterations, changes in Bid format will be allowed. All items should be priced for the units and quantities specified. The County of Moore shall reserve the right to reject any or all Bids. Opening will not be public.

TOTAL COS	T:		
CONTRACT	OR'S LICENSI	E NUMBER:	:
<ol> <li>Signed Bid</li> <li>Notarized I</li> </ol>	ust include the follow Form (must acknow Non-Collusion Affida E-Verify Affidavit '-9 Form	ledge all addend	a)
•	ontents of this bid are owledge all requireme		ne outside the undersigned, and to omplied with.
Date	Authori	zed Signature _	
Authorized Signat	tory Name/Title:		
Authorized Signat	tory E-mail:		
Receipt of the follo	owing addendum is ack	nowledged:	
Addendum No	Received: (circle)	YES / NO	Date:
Addendum No	Received: (circle)	YES / NO	Date:

## NON-COLLUSION AFFIDAVIT

State of North Carolina County of Moore		
Ι	, being first duly s	worn, deposes and says that:
He/She is the	of	, the
proposer that has submitted the	attached proposal;	
He/She is fully informed respec and of all pertinent circumstance		ents of the attached proposal
Such proposal is genuine and is	not a collusive or sham prope	osal;
Neither the said Proposer nor ar Employees or parties of interest conspired, connived or agreed, or person to submit a collusive or sthe attached proposal has been such contract, or has in any mar collusion or communication or of the price or prices in the attached profit or cost element of the procollusion, conspiracy, connivant County of Moore or any person.  The price or prices quoted in the any collusion, conspiracy, connor any of its agents, representation this affiant.	including this affiant, has in directly or indirectly, with any sham proposal in connections submitted or to refrain from beaner, directly or indirectly, so conference with any other Proposal or of any other Proposal price of any other Propose or unlawful agreement any interested in the proposed contact attached proposal are fair, privance or unlawful agreement	any way colluded, y other Proposer, firm or with the contract for which idding in connection with ught by agreement or oposer, firm or person to fix oposer or to fix overhead, oser or to secure through advantage against the intract; and or oper and are not tainted by t on the part of the Proposer
	Signature a	nd Title
State of North Carolina		
County of		
Subscribed and sworn before me,		
Thisday of,	2023	
Notary Public		
My commission expires		

## **Moore County E-Verify Affidavit**

STA	TE OF NORTH CAROLINA
COU	AFFIDAVIT NTY OF MOORE
I,	(the individual attesting below), being duly authorized by and on behalf of
	(the entity bidding on project hereinafter "Employer") after first being duly
swori	hereby swears or affirms as follows:
1.	Employer understands that E-Verify is the federal E-Verify program operated by the United States
Depa	rtment of Homeland Security and other federal agencies, or any successor or equivalent program used to verify
the w	ork authorization of newly hired employees pursuant to federal law in accordance with NCGS §64-25(5).
2.	Employer understands that Employers Must Use E-Verify. Each employer, after hiring an employee to
work	in the United States, shall verify the work authorization of the employee through E-Verify in accordance with
NCG	S§64-26(a).
3.	Employer is a person, business entity, or other organization that transacts business in this State and that
emple	bys 25 or more employees in this State. (mark Yes or No)
_	a. YES, or
	b. NO
4.	Employer's subcontractors comply with E-Verify, and if Employer is the winning bidder on this project
Empl	oyer will ensure compliance with E-Verify by any subcontractors subsequently hired by Employer.
	ited, this day of, 2023.
	,
~-	0.100
Signa Print	ture of Affiant or Type Name:
Stat	e of North Carolina
Cou	nty of
Sign	ned and sworn to (or affirmed) before me, this the
day	ned and sworn to (or affirmed) before me, this the  of, 2023.  Commission Expires:  Eff  Official  Notation  Seal  Seal
My	Commission Expires:
	ial S
	veal
	Notary Public

# Request for Taxpayer Identification Number and Certification

Give Form to the requester. Do not send to the IRS.

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	2 Business name/disregarded critity name, if different from above																
98	3 Check appropriate box for federal tax classification of the person whose name is entered on line 1. Check only one of the following seven boxes.									4 Exemptions bodes apply only to certain entities, not individuals; see instructions on page 3;							
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reside	nt alien	n, sole prop	rietor, or disreg	garded entity, see	the instruction	ns for Pa	rt I, later. For other				-		-				
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Par	+ III +	Certifi	cation														
			ry, I certify that	t:													
2. Iar Ser	<ol> <li>The number shown on this form is my correct taxpayer identification number (or I am waiting for a number to be issued to me); and</li> <li>I am not subject to backup withholding because: (a) I am exempt from backup withholding, or (b) I have not been notified by the Internal Revenue Service (RS) that I am subject to backup withholding as a result of a failure to report all interest or dividends, or (c) the IRS has notified me that I am no longer subject to backup withholding; and</li> </ol>																
	-		-	son (defined below	v); and												
						exempt:	from FATCA report	ing is cor	rect.								
you ha	ave falle sition or	d to report: abandonm	all interest and o ent of secured p	dividends on your t property, cancellati	tax return. For on of debt, co	real estat ntribution	fied by the IRS that e transactions, item s to an individual re you must provide y	2 does no tire ment a	ot ap vranç	ply. Fo	ormort t (IRA),	gage in and ge	nerali Merali	paid, y, pay	me	nts	
Sign		ignature of J.S. person i						Date ►									
Ge	nera	ıl Instr	uctions				Form 1099-DIV (dividends, including those from stocks or mutual funds)										
Section		ences are t	to the Internal F	Revenue Code uni	ess otherwise	,	Form 1099-MISC (various types of income, prizes, awards, or gross proceeds)										
Future developments. For the latest information about developments related to Form W-9 and its instructions, such as legislation enacted		•	Form 1099-B (stock or mutual fund sales and certain other transactions by brokers)														
after they were published, go to www.irs.gov/FormW9.					Form 1099-S (proceeds from real estate transactions)												
Pur	pose	of For	m				<ul> <li>Form 1099-K (merchant card and third party network transactions)</li> </ul>										
An individual or entity (Form W-9 requester) who is required to file an information return with the IRS must obtain your correct taxpayer				<ul> <li>Form 1098 (name martgage interest), 1098-E (student loan interest), 1098-T (tuition)</li> </ul>													
identification number (TIN) which may be your social security number (SSN), individual taxpayer identification number (ITIN), adoption				Form 1099-C (canceled debt)													
tax payer identification number (ATIN), or employer identification number			DOI:	Form 1099-A (acquisition or abandonment of secured property)													
(EIN), to report on an information return the amount paid to you, or other amount reportable on an information return. Examples of information				Use Form W-9 only if you are a U.S. person (including a resident aller), to provide your correct TIN.													
returns include, but are not limited to, the following.  • Form 1099-INT (interest earned or paid)					If you do not return Form W-9 to the requester with a TIN, you might be subject to backup withholding. See What is backup withholding, later.												

Form W-9 (Rev. 10-2018) Cat. No. 10231X